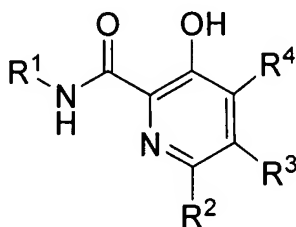


## Listing of Claims

The listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A ~~compounds~~ compound of the Formula:



wherein:

R<sup>1</sup> is selected from:

- a) hydrogen,
- b) aryl, heterocycle, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, and
- c) C<sub>1</sub>-C<sub>6</sub> alkyl, unsubstituted or substituted with 1 to 5 substituents selected from:
  - 1) aryl, unsubstituted or substituted with 1 to 5 substituents selected from:
    - i) C<sub>1</sub>-C<sub>6</sub> alkyl, unsubstituted or substituted with 1-3 fluoro,
    - ii) C<sub>3</sub>-C<sub>6</sub> cycloalkyl,
    - iii) C<sub>2</sub>-C<sub>6</sub> alkynyl,
    - iv) OR<sup>10</sup>,
    - v) aryl,
    - vi) heterocycle,
    - vii) CN, and
    - viii) halo;
  - 2) heterocycle, unsubstituted or substituted with 1 to 5 substituents selected from:
    - i) C<sub>1</sub>-C<sub>6</sub> alkyl, unsubstituted or substituted with 1-3 fluoro,
    - ii) -OR<sup>10</sup>,
    - iii) aryl, and

- iv) halo;
- 3) C<sub>3</sub>-C<sub>10</sub> cycloalkyl,
- 4) C<sub>2</sub>-C<sub>6</sub> alkenyl,
- 5) C<sub>2</sub>-C<sub>6</sub> alkynyl,
- 6) -OR<sup>10</sup>,
- 7) -S(O)<sub>m</sub>R<sup>11</sup>,
- 8) -NR<sup>6</sup>-C(O)R<sup>7</sup>,
- 9) -C(O)-N(R<sup>6</sup>)(R<sup>7</sup>),
- 10) -CN,
- 11) -NR<sup>6</sup>-C(O)-N(R<sup>6</sup>)(R<sup>7</sup>),
- 12) -C(O)-OR<sup>10</sup>,
- 13) halo, and
- 14) -N(R<sup>6</sup>)(R<sup>7</sup>);

R<sup>2</sup> is selected from:

- a) -NR<sup>6</sup>-C(O)R<sup>7</sup>,
- b) -NR<sup>6</sup>-S(O)<sub>2</sub>R<sup>7</sup>, and
- d)-c) ~~-NR<sup>6</sup>-S(O)<sub>2</sub>-N(R<sup>6</sup>)(R<sup>7</sup>)~~ -NR<sup>6</sup>-S(O)<sub>2</sub>-N(R<sup>6</sup>)(R<sup>7</sup>);

R<sup>3</sup> and R<sup>4</sup> are independently selected from:

hydrogen, aryl, heterocycle, halo, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, C<sub>1</sub>-C<sub>4</sub> haloalkyl, R<sup>10</sup>O-, R<sup>11</sup>S(O)<sub>m</sub>-, R<sup>6</sup>C(O)-NR<sup>7</sup>-, CN, (R<sup>6</sup>)(R<sup>7</sup>)N-C(O)-(NR<sup>6</sup>)-, (R<sup>6</sup>)(R<sup>7</sup>)-N-C(O)-, R<sup>10</sup>C(O)-, R<sup>10</sup>OC(O)-, and N(R<sup>6</sup>)(R<sup>7</sup>); or

wherein R<sup>3</sup> and R<sup>4</sup> are optionally joined to form a saturated or unsaturated ring, containing 0-3 heteroatoms, wherein said ring is phenyl, pyridyl, pyrimidinyl, pyrazinyl, thiophenyl, furanyl, imidazolyl, thiazolyl, oxazolyl, and triazolyl, as well as partially saturated analogues thereof, said ring optionally substituted with one or more of:

aryl, heterocycle, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, R<sup>10</sup>O-, R<sup>11</sup>S(O)<sub>m</sub>-, R<sup>6</sup>C(O)N R<sup>7</sup>-, ~~R<sup>6</sup>S(O)<sub>2</sub>NR<sup>7</sup>~~ R<sup>6</sup>S(O)<sub>2</sub>NR<sup>7</sup>-, (R<sup>6</sup>)(R<sup>7</sup>)N-C(O)-, CN, R<sup>10</sup>OC(O)-, F, and -N(R<sup>6</sup>)(R<sup>7</sup>);

$R^6$  and  $R^7$  are independently selected from hydrogen,  $C_1$ - $C_6$  alkyl,  $C_3$ - $C_{10}$  cycloalkyl, heterocycle, aryl, unsubstituted or substituted with one or more of:

- a)  $C_1$ - $C_4$  alkyl,
- b)  $C_1$ - $C_4$  alkoxy,
- c) aryl or heterocycle,
- d) halo,
- e)  $-OR^{10}$ , and
- f)  $-N(R^{10})_2$ ;

wherein  $R^6$  and  $R^7$  may be joined to form a ring;

$R^{10}$  is independently selected from hydrogen,  $C_1$ - $C_6$  alkyl,  $-CF_3$ ,  $C_3$ - $C_{10}$  cycloalkyl, benzyl, and aryl;

$R^{11}$  is independently selected from  $C_1$ - $C_6$  alkyl, and aryl;

m is 0, 1, or 2;

and pharmaceutically acceptable salts and individual diastereomers thereof.

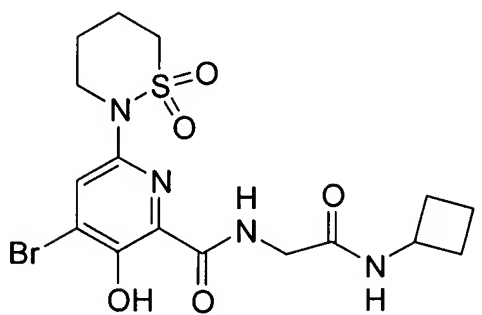
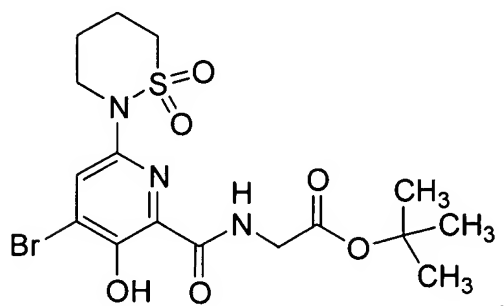
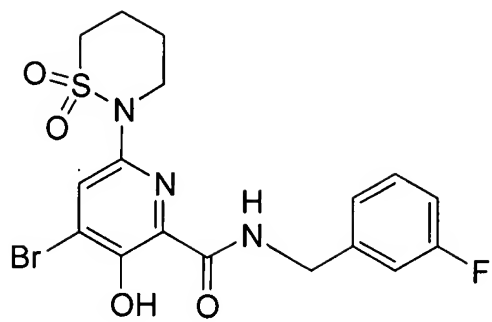
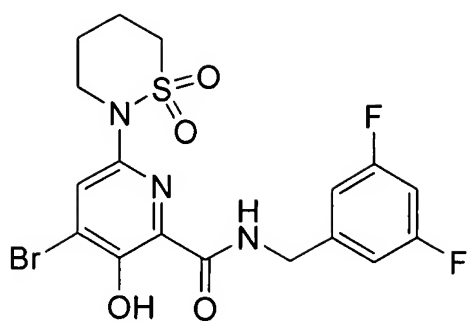
2. (Original) The compound according to Claim 1, wherein  $R^1$  is  $-CH_2$ -aryl, unsubstituted or substituted with 1-3 substituents selected from: fluoro, chloro, bromo, iodo and methyl.

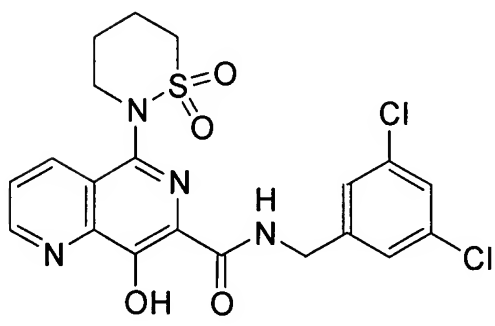
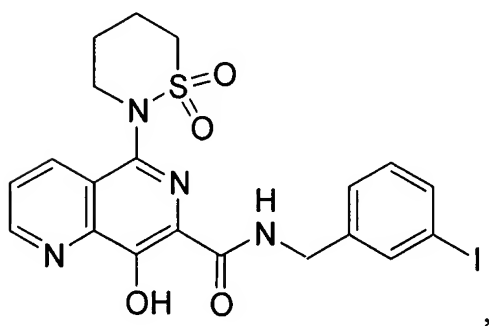
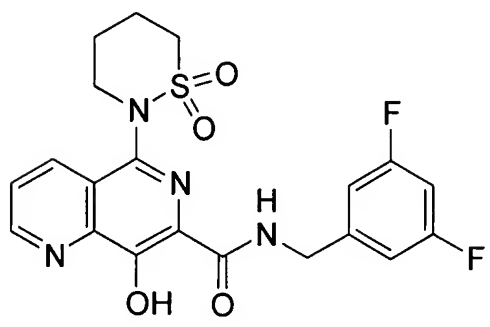
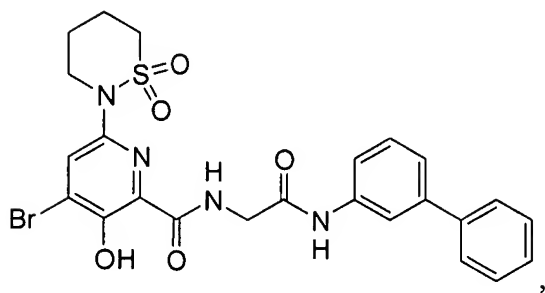
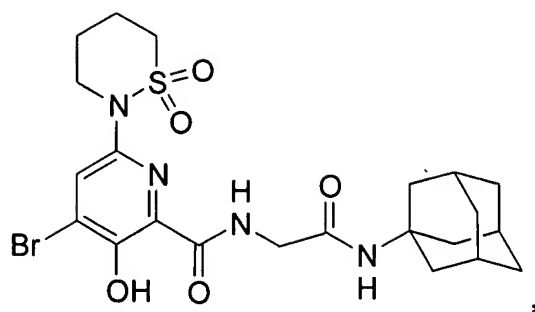
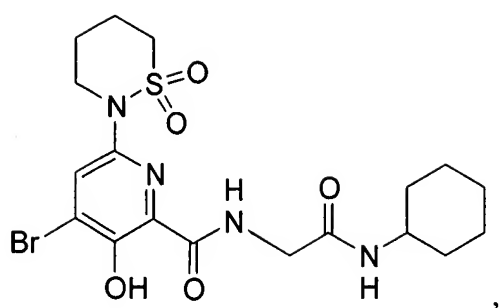
3. (Original) The compound according to Claim 1, wherein  $R^1$  is benzyl, substituted with 1-3 fluoro.

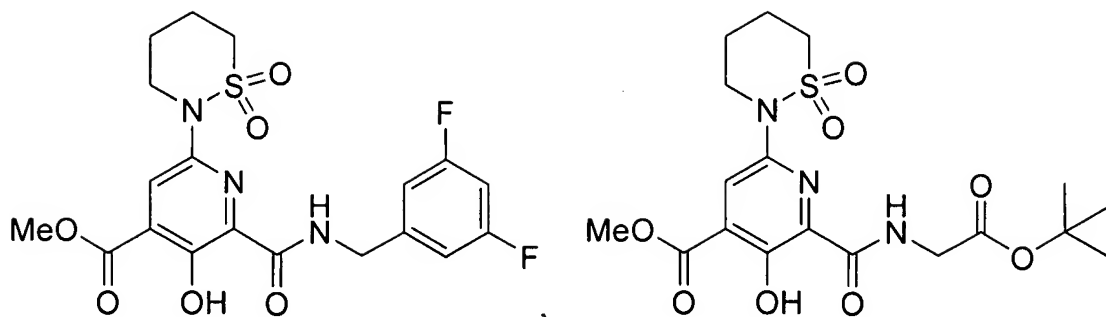
4. (Original) The compound according to Claim 1, wherein  $R^1$  is -  
 $CH_2C(O)OR^{10}$ .

5. (Original) The compound according to Claim 1, wherein  $R^1$  is -  
 $CH_2C(O)OC(CH_3)_3$ .

6. (Original) The compound according to Claim 1, wherein R<sup>1</sup> is -  
CH<sub>2</sub>C(O)NHR<sup>6</sup>.
7. (Original) The compound according to Claim 1, wherein R<sup>1</sup> is -  
CH<sub>2</sub>C(O)NH(C<sub>4</sub>-C<sub>10</sub> cycloalkyl).
8. (Original) The compound according to Claim 1, wherein R<sup>1</sup> is -  
CH<sub>2</sub>C(O)NH-aryl.
9. (Original) The compound according to Claim 1, wherein R<sup>2</sup> is -NR<sup>6</sup>-  
S(O)<sub>2</sub>R<sup>7</sup>.
10. (Original) The compound according to Claim 1, wherein R<sup>3</sup> is hydrogen.
11. (Original) The compound according to Claim 1, wherein R<sup>3</sup> and R<sup>4</sup> are  
joined to form a ring selected from: phenyl, pyridyl, pyrimidinyl and pyrazinyl.
12. (Original) The compound according to Claim 1, wherein R<sup>3</sup> and R<sup>4</sup> are  
joined to form a pyridyl ring.
13. (Original) The compound according to Claim 1, wherein R<sup>4</sup> is bromo.
14. (Original) The compound according to Claim 1, wherein R<sup>4</sup> is -C(O)OR<sup>10</sup>.
15. (Original) A compound selected from:







and pharmaceutically acceptable salts and individual diastereomers thereof.

16. (Original) A pharmaceutical composition which comprises an inert carrier and the compound of Claim 1.

17. (Canceled)

18. (Currently Amended) A method for treating, controlling, ameliorating or reducing the risk of headache, ~~migraine or cluster headache~~ in a mammalian patient in need of such which comprises administering to the patient a therapeutically effective amount of the compound of Claim 1.

19 24. (Canceled)

25. (New) The method of claim 18, wherein the headache is migraine headache or cluster headache.